

CLAIMS

What is claimed is:

1. A method for approving a transaction request between an electronic transaction system and a portable electronic authorization device carried by a user using an electronic confirmation, comprising steps of:
 - receiving at the portable electronic authorization device first digital data representing the transaction request;
 - providing information to the user regarding an ability to approve or modify the transaction request; and
 - when the transaction request is approved by the user, receiving at the electronic transaction system second digital data representing the electronic confirmation of the transaction request; and
 - wherein the receiving step is performed via a wireless communication port associated with the portable electronic authorization device.
2. The method of claim 1, wherein:
the electronic confirmation is encrypted by a user's private key.
- 20 3. The method of claim 1, wherein:
the electronic transaction system is a stock trading service system.
4. The method of claim 1, wherein:
the electronic transaction system is a delivery service system.
- 25 5. The method of claim 1, wherein:
the electronic transaction system is an auction service system.
6. The method of claim 1, wherein:
30 the providing information step includes providing an inquiry to the user to inform the user of predetermined actions and that the user may modify the predetermined actions; and

~~the receiving step includes the step of receiving instructions from the user and communicating the instructions from the portable electronic authorization device to the electronic transaction system~~

5 7. A portable electronic authorization device for approving a transaction request with an electronic transaction system, using an electronic confirmation, comprising:
 a transceiver in the portable electronic authorization device configured to receive first digital data representing the transaction request;
 a display configured to provide information to the user regarding an ability to approve or modify the transaction request; and
10 wherein the transceiver is further configured such that when the transaction request is approved by the user, the transceiver is configured to transmit second digital data representing the electronic confirmation of the transaction request; and
 wherein the transceiver is a wireless receiver.

15 8. The portable electronic authorization device of claim 7, wherein:
 the electronic confirmation is encrypted by a user's private key.

20 9. The portable electronic authorization device of claim 7, wherein:
 the electronic transaction system is a stock trading service system.

25 10. The portable electronic authorization device of claim 7, wherein:
 the electronic transaction system is a delivery service system.

30 11. The portable electronic authorization device of claim 7, wherein:
 the electronic transaction system is an auction service system.

35 12. The portable electronic authorization device of claim 7, wherein:
 the display is configured to provide an inquiry to the user to inform the user of predetermined actions and that the user may modify the predetermined actions; and
 the transceiver is configured to receive instructions from the user and communicate the instructions from the portable electronic authorization device to the electronic transaction system.

13. A method for approving a transaction request between an electronic point of sale transaction system and a portable electronic authorization device carried by a user, comprising the steps of:

5 entering product information at the portable electronic authorization device;
receiving at the portable electronic authorization device a first digital data representing the transaction request;

10 providing information to the user regarding an ability to approve the transaction request;

15 when the transaction request is approved by the user, encrypting transaction approval data as second digital data representing approval by the user to purchase the item; and

20 transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system.

25 14. The method of claim 13, wherein:

the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key.

30 15. The method of claim 13, wherein:

the step of entering the product information includes using the keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

35 16. The method of claim 13, wherein:

the step of entering the product information includes using a scanner in the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

40 17. A portable electronic authorization device for approving a transaction request with an electronic point of sale transaction system, comprising:

a scanner in the portable electronic authorization device configured to scan product information;

a receiver in the portable electronic authorization device configured to receive first digital data representing the transaction request;

a display configured to provide information to the user regarding an ability to approve the transaction request;

when the transaction request is approved by the user, the portable electronic authorization device is configured to encrypt the transaction approval data as second digital data representing approval by the user to purchase the item at the point of sale location; and

a transmitter configured to transmit the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system.

10

18. A method for approving a transaction request between an electronic point of sale transaction system and a portable electronic authorization device carried by a user, comprising the steps of:

entering product information at the portable electronic authorization device;

15 receiving at the portable electronic authorization device a first digital data representing the transaction request;

providing information to the user regarding an ability to approve the transaction request;

when the transaction request is approved by the user, encrypting transaction

20

approval data as second digital data representing approval by the user to purchase the item; and

transmitting the second digital data to the electronic transaction system to approve the transaction request with the electronic transaction system; and

printing a receipt at a remote printer.

25

19. The method of claim 18, wherein:

the step of encrypting the approval data is performed using a public key cryptography technique using at least a user's private key.

30

20. The method of claim 18, wherein:

the step of entering the product information includes using a keypad of the portable electronic authorization device to enter at least one of a product code, product name, manufacturing number, and quantity.

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26

5

21. The method of claim 18, wherein:
the step of entering the product information includes using a scanner of the portable electronic authorization device to scan at least one of a product code, product name, manufacturing number, and quantity.

10 22. The method of claim 18, wherein:
the step of printing the receipt step includes establishing a connection between the portable electronic authorization device and the printer.

15 23. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering printer identification information into the portable electronic authorization device.

20 24. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is performed by entering subscriber identification information into the printer.

25 25. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is via infrared.

26. The method of claim 22, wherein:
the step of establishing a connection between the portable electronic authorization device and the printer is via short range RF.